



CONSTRUCTION EQUIPMENT

SWA400767 WM VOLVO L180H 5591 - REAR AXLE



Sample No: VCP413162
Oil Type: {unknown}
Job No: SWA400767 WM



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP413162 | VCP436036 | --- | --- |
| Sample Date | 24 Jan 2024 | 30 Oct 2023 | --- | --- |
| Machine Hours | 3726 | 3206 | --- | --- |
| Oil Hours | 0 | 1752 | --- | --- |
| Oil Changed | N/A | Not Changd | --- | --- |
| Sample Status | ABNORMAL | SEVERE | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------|--------|-----|-----|
| Visc @ 40°C | cSt | █ 44.2 | █ 40.9 | --- | --- |
|-------------|-----|--------|--------|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | █ 13 | █ 19 | --- | --- |
| Sodium | ppm | █ 0 | █ 8 | --- | --- |
| Potassium | ppm | █ 3 | █ 0 | --- | --- |

Diagnosis
 No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|-------|--------|-----|-----|
| Iron | ppm | ▲ 488 | ● 2245 | --- | --- |
| Copper | ppm | █ <1 | █ 2 | --- | --- |
| Lead | ppm | █ 0 | █ 0 | --- | --- |
| Tin | ppm | █ 0 | █ 0 | --- | --- |
| Aluminum | ppm | █ 2 | █ 1 | --- | --- |
| Chromium | ppm | █ 5 | ▲ 25 | --- | --- |
| Molybdenum | ppm | 7 | 11 | --- | --- |
| Nickel | ppm | █ 1 | █ 8 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 5 | 25 | --- | --- |
| Vanadium | ppm | 0 | 1 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 3779 | 3511 | --- | --- |
| Magnesium | ppm | 13 | 14 | --- | --- |
| Zinc | ppm | 1595 | 1360 | --- | --- |
| Phosphorus | ppm | 1211 | 1109 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 131 | 145 | --- | --- |

Depot: VOLVO0095
Unique No: 10849065
Signed: Sean Felton
Report Date: 30 Jan 2024



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GRAPHS

